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# Cartography Specialty Group

## Association of American Geographers

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CSG Newsletter, Fall 2009

Editor: Matt Rice, rice@gmu.edu

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### Fall 2009 Message from the Chair



**David Patton, PhD**  
Central Michigan  
University

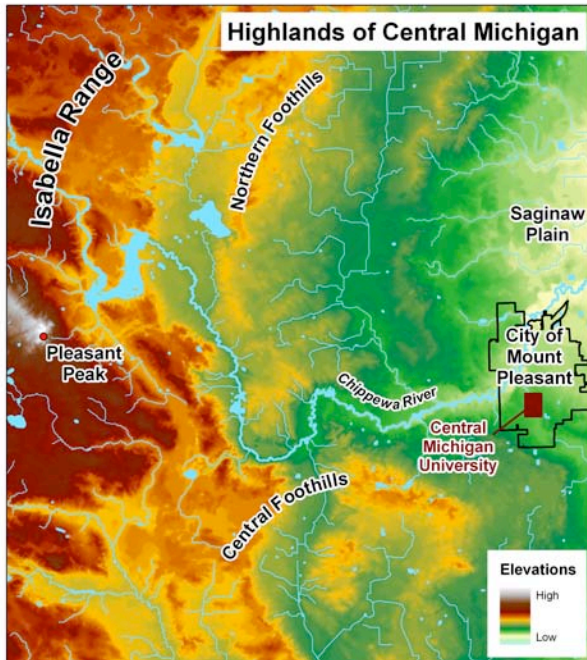
Welcome to the Fall 2009 issue of the Cartography Specialty Group Newsletter. I would like to begin by thanking Matt Rice for his efforts to produce this newsletter for our organization. It takes a lot of work and we appreciate his effort

Last year at the CSG business meeting in Las Vegas, Matt brought up an idea that we could do a feature in the newsletter about the "Top Ten Articles in Cartography", following the CSG newsletter article "Classic Cartography Articles", which summarized Jeremy Crampton's announcement regarding the top ten most cited articles in *Cartographica* (CSG Newsletter 28:1, p.14). Given my fondness for lists, I thought this was a great idea. The question, of course, is how do you come up with the "Top Ten"? We could take the empirical approach and compile a list of the most cited cartography

articles from all of the leading journals during some period of time. A list like this would be interesting, useful and reasonably objective, but it might not be all that much fun. The other approach would be to collect subjective top-ten lists from the members of CSG. What are your top ten favorite cartography articles? Which articles did you really enjoy? Which articles made you want to make a map? Which articles made you see maps in a different way? Which articles have you assigned to your students over and over again? You could view a list of favorite articles from a variety of perspectives, all of which would be correct.

As with many of you, within my professional career I have specialized in certain areas of cartographic research. As a student, however, I was drawn to the field simply because I liked maps. I liked the way they looked, I liked their complexity, I liked their simplicity and I liked their subjectivity. One article that epitomizes everything that I continue to like about maps is John K. Wright's 1942 Geographical Review article "Map Makers Are Human: Comments on the Subjective in Maps". In this great article, Wright discusses many of the decisions that cartographers make when preparing a map and

how those subjective decisions reflect individual and institutional power. He also discusses the ethics of making a map, the aesthetics of making a map and that map readers are just as flawed and subjective as the mapmaker. Many of his observations can be seen as central themes in several research paradigms that would develop over the latter half of the 20<sup>th</sup> Century.



*"Every Map is thus a reflection partly of objective realities and partly of subjective elements." - John K. Wright*

What are your "Top Ten" articles? If you would like to submit a list of personal favorites, Matt Rice and I will compile the list and publish it in an upcoming edition of the Newsletter. You can send the list with or without comments to either of us (Dave: [patto1d@cmich.edu](mailto:patto1d@cmich.edu); Matt: [rice@gmu.edu](mailto:rice@gmu.edu)). I look forward to seeing many of you at the AAG meeting in Washington DC. We already have several CSG sponsored sessions in the works that I'm sure will prove very interesting. To our student members, please consider submitting a poster or paper for one of the student competitions. The quality of the student work is always very impressive and I'm sure this year will be no exception. Perhaps we will see the beginning of a future "favorite article in cartography".

## Election of CSG Officers

Ming Tsou, CSG Past Chair (2008-2009), announced the following election results on March 16, 2009:

Vice-Chair: Ola Ahlqvist

Academic Director: Sarah Battersby

Student Director: Carolyn Fish

A complete listing of CSG officers can be found at the end of this newsletter.

## CSG 2009 Master's Thesis Research Grants: Deadlines and Recent Winners

Master's degree students enrolled full time are invited to apply for the AAG Cartography Specialty Group (CSG) Master's Thesis Research Grants. These grants are intended to promote scholarly research in cartography by students enrolled in Geography or a related degree program. Grants are available up to a maximum of \$500 and may be used for items necessary and relevant to research, such as travel, materials, equipment, and human subject fees. Applications for the fall round are due November 1. For more information and the application form, please visit <http://www.csun.edu/~hfggeg003/csg/master.html>.

You can also access that page from the Awards and Competitions section of the main CSG Web site, <http://www.csun.edu/~hfggeg003/csg>.

Recent CSG Master's Thesis Research Grant winners are:

- **Spring 2009:** Carolyn Fish, Michigan State University, advised by Dr. Kirk Goldsberry, for "Evaluating the Influence of Tweening on Human Change Perception in Animated Choropleth Maps."
- **Summer 2009:** Helene M. Seelye, University of Nevada, Reno, advised by Dr. Paul Starrs, for "Illustrated Thematic Atlas of Nevada for Grade 5 through 8."

## AAG Annual Student Paper Competitions



### CSG Honors Student Paper Competition

#### Call for Abstracts

The Cartography Specialty Group (CSG) of the Association of American Geographers is pleased to announce the 2010 Honors Student Paper Competition to be presented at the AAG Annual Meeting in Washington DC (April 14-18, 2010). The purpose of this competition is to promote written scholarship and high quality presentation by students in the field of cartography and geovisualization.

We invite students to submit full papers to the competition and present those papers at a special session of the 2010 AAG.

#### Eligibility:

The competition is open to students at all academic levels. A student must be currently enrolled in an accredited two or four-year institution. Applicants must also be current members of the AAG Cartography Specialty Group (CSG). Any paper authored and presented by a student is eligible for the competition, provided the paper has not already been published or presented somewhere else.

#### Guidelines for Applications:

To be considered for participation in the CSG paper competition, an extended abstract of approximately 250 words that describes an ongoing or complete research investigation must be submitted electronically as an attachment (Microsoft Word) to Sarah Battersby at [battersb@mailbox.sc.edu](mailto:battersb@mailbox.sc.edu). An abstract submission must be in Microsoft Word format, with 12-point Times New Roman font, one inch margins with left justification (ragged right), and single-spaced lines. Applicants must clearly indicate that they

wish to be considered for the CSG Student Paper Competition.

Applicants must register for the 2010 AAG Annual Meeting before submitting an abstract to the CSG student paper competition. Please submit an AAG participant number that is issued when successfully registering for the AAG meeting with your abstract. For detailed instructions on how to acquire a participant number for the annual meeting, see the AAG web page: <http://aag.org/annualmeetings/2010/registration.htm>.

The abstract and participant code are due to Sarah Battersby ([battersb@mailbox.sc.edu](mailto:battersb@mailbox.sc.edu)) by October 14, 2009.

#### Judging:

Abstracts and written papers will be judged by the CSG Awards Committee on several criteria: potential contribution to the field of cartography and geovisualization, originality, appropriate use of methodology, scholarship, organization, and written composition. The oral presentation of papers will be judged on professional delivery, organization, clarity, and appropriate use of graphics. Judging will take into account the academic level of the applicants.

#### Finalist:

Finalists will be notified of the acceptance of their abstract via e-mail no later than October 21, 2009. Each finalist will be asked to submit a full paper of approximately 6,000 words to be considered for presentation at the 2010 AAG Annual Meeting. The deadline for submission of full papers is March 24, 2010.

#### Paper Submission:

We especially encourage papers on theoretical, conceptual, and methodological developments in cartography and geovisualization rather than on particular mapping applications. Papers must be written entirely by the applicant. Students who are selected as finalists will be placed in a special session at the annual meeting. The only exception is a student who is also selected as a Nystrom Dissertation Award finalist, in which case, he or she may present in the Nystrom paper session instead.

Papers, including the related bibliography and associated tables and figures, must be submitted in the format used by the Cartography and Geographic Information Society (for details see the guidelines on following website: <http://www.cartogis.org/publications/document.2006-09-05.7116381016>). A cover page should include the student author's name, academic affiliation, faculty advisor for the paper, mailing address, phone number, and e-mail address. The second page should include only the title of the paper and the abstract. The content of the paper should begin on the third page.

The final written paper should be submitted electronically via e-mail to Sarah Battersby ([battersb@mailbox.sc.edu](mailto:battersb@mailbox.sc.edu)) as a Microsoft Word document attachment (12-point Times New Roman font, one-inch margins with left justification, and double spaced). The content of the paper, including text, references, figures and tables, is limited to about 20 pages in length and should not exceed 6,000 words.

**Awards:**

Up to five competition finalists will be selected by the CSG Awards Committee on the basis of the quality of their abstracts. Each finalist will be awarded a full student registration to attend the 2010 AAG Annual Meeting in Washington DC. The first place winner will receive a \$100 cash prize.

The awards committee reserves the right not to offer such prizes if the papers are not of a professional quality. The award will be decided on the basis of the written paper and the oral presentation. The results of the competition will be published in the AAG Newsletter and on the specialty group's web page.

**Contact Info:**

Sarah Battersby  
Department of Geography  
University of South Carolina  
709 Bull Street, Callcott Building  
Columbia, SC 29208  
Phone: 803-777-5729  
E-mail: [battersb@mailbox.sc.edu](mailto:battersb@mailbox.sc.edu)

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## **CSG, GISSG, RSSG Student Illustrated Paper Competition**

The Remote Sensing, GIS and Cartography Specialty Groups announce the 2009-2010 Illustrated Paper Competition for Students. Students at all academic levels are invited to submit illustrated papers that advance any aspect of remote sensing, GIS, or cartography. Research must have been completed within the past academic year, during the author's undergraduate or graduate studies, and can include thesis and dissertation topics. Illustrated papers must be completed entirely by the applicant; however, thesis or dissertation advisors can be co-authors. Students selected as finalists will be placed in a special illustrated paper session at the Annual Meeting to be held April 14-18 2010 in Washington D.C.

Complete instructions for submitting an illustrated paper for this competition can be found at the following link:

[http://faculty.gvsu.edu/makin/research/2010AAG\\_RSS\\_G\\_GISCartog\\_PosterCompete.pdf](http://faculty.gvsu.edu/makin/research/2010AAG_RSS_G_GISCartog_PosterCompete.pdf)

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## **Applied Geography Specialty Group**

### **CALL FOR PAPERS STUDENT PAPER COMPETITION**

The Applied Geography Specialty Group is sponsoring a student paper competition this year. The paper and its research should utilize geographic methods, techniques, or analysis applied in service to a real world client, while the subject-matter focus of the paper is open. One prize (\$500) will be awarded to the best paper. The student papers can range from a class project or term paper to one that has been given at any professional meeting in the 12 months preceding (and including) the Washington, DC AAG conference.

Participants are required to register and present in the AGSG Interactive Short Paper (ISP) Student Session at the April 14-18, 2010 AAG Annual Meeting.

New this year, the Applied Geography Conference Board will award the student paper winner with a free conference registration to

attend the 33rd Annual Applied Geography Conference in October, 2010 and an invitation to submit the winning paper for review and possible publishing in the Annals from that conference.

The deadline for the submission of abstracts for the Applied Geography Specialty Group student paper competition is: October 28, 2009. To submit an abstract to the AGSG you must first register for the meeting. Registration for the 2010 meeting is now open. Please review AAG guidelines for abstract submission.

Send an abstract of no more than 250 words as an email attachment and your personal identification number (received from the AAG after applying online at [www.aag.org](http://www.aag.org)), along with a 100 word maximum statement identifying the applied geography components of their paper to Dr. Dawna Cerney at [dlcerney@ysu.edu](mailto:dlcerney@ysu.edu).

Written papers (8,000 word maximum) are due on March 1, 2010. The prize will be awarded based on the written papers and not on the presentations, and the winner will be announced at the conclusion of the interactive session. If any participants would like informal feedback on their presentation, please advise Dr. Cerney in advance.

Both Masters and Ph.D. students are welcome in the competition. One prize will be awarded in the amount of \$500. All authors will be recognized for their participation

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## AAG Annual Meeting Call for Special Sessions and Papers



The AAG Cartography Specialty Group invites members to request sponsorship of special sessions for the 2010 AAG annual meeting in Washington, DC. In preparing your special session, please keep in mind that the CSG would like to sponsor a maximum of 50 sessions in an attempt to minimize time conflicts that often lead to poor turnout. We encourage the use of some of the newer presentation formats for sessions such as the Interactive Short Paper which consists of 10-14 five minute presentations:

<http://www.aag.org/annualmeetings/2010/papers.htm>

To request CSG sponsorship, please email

CSG Vice-Chair Ola Ahlqvist by October 21 with "CSG Session" in your subject line. Respond no later than October 21, 2009.

### Contact:

Ola Ahlqvist, Ph.D.  
Department of Geography  
The Ohio State University  
Columbus, OH 43210  
614-247-7997  
[ahlqvist.1@osu.edu](mailto:ahlqvist.1@osu.edu)

The following sessions have been organized by CSG members and are requesting participation.

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### **Territory and Cartography**

Call for Papers - Territory and Cartography: Politics, History, Techniques

**Session organisers:** Jeremy Crampton (Georgia State) and Stuart Elden (Durham)

The relation between cartography and territory seems well known. State territories are one of the key objects of cartographic work, both in terms of their depiction on geopolitical maps and in terms of the state agencies that produce maps of their territory. Here we want to reverse the question: to what extent is cartography productive of territory? If territory can be understood as a political technology, comprising a range of techniques for the measurement of land and the control of terrain, then cartography, alongside land surveying and the military, is one of those techniques; part of what might be conceived of as state territorial strategies.

This session aims to bring together papers analysing maps politically in terms of their relation to the state and its territory, drawing on a range of historical and geographical contexts. A focus on the techniques involved is particularly welcome, but the papers should principally speak to the question: if we know that the map is not the territory, to what extent is it still productive of it?

Proposals should be sent to both [stuart.elden@durham.ac.uk](mailto:stuart.elden@durham.ac.uk) and [jcrampton@gsu.edu](mailto:jcrampton@gsu.edu) by 5th October 2009.

Should the papers form a sufficiently coherent collection, there is the possibility of a follow-up workshop and/or publication at some

future point.

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## **Place Names and Gazetteers**

The Association of American Geographers (AAG) is sponsoring a special set of sessions at its upcoming Annual Meeting in Washington, DC, April 14-18, 2010 on the geography of place names and the related topic of gazetteers.

Place names and the geographies attached to them evolve over time and space and are of great interest – and importance – to geographers, historians, archeologists, census takers, and anyone working with place-based data over time. This special sequence of sessions will open with a panel session led by the U.S. Board on Geographic Names and will follow with other related sessions.

AAG Special Sessions on Geography and Place Names:

- U.S. Board on Geographic Names
- Current Needs and Future Trends
- The international coordination of place names
- Private sector and web-based place name trends
- Historical GIS and temporally-enabled global gazetteers

The AAG welcomes paper abstracts on these topics and others, including:

- Place name conventions
- Place names and history
- Place names and the construction of identity
- Technology and place name gazetteers
- Place names and censuses
- Place name struggles

If you are interested in participating in these sessions, please submit a 250 word abstract no later than October 28, 2009 to Megan Overbey at [moverbey@aag.org](mailto:moverbey@aag.org). Earlier submission is encouraged.

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## **Crime Modeling and Mapping**

### **Sponsors**

Cartography, Spatial Analysis and Modeling, Geographic Information Systems and Science.

### **Description**

Spatial crime analysis started mostly by geographers in the early 1970' s. Environmental criminology, which was developed in the early 1980' s, gave spatial crime analysis its theoretical foundation. The concurrent rise of Geographic Information Systems (GIS) coupled with the development of spatial crime analysis software programs (e.g., CrimeStat) led to a powerful suite of spatial analysis and visualization tools that allowed to quickly analyzing large amounts of crime incident data. As a result spatial crime analysis became increasingly popular as a practical tool for law enforcement and as a research and teaching tool in geography, criminal justice and other related programs. Today many crime analysts are geographers. It is thus important to recognize, given the maturation of GIS and spatial statistics, that it is time to demonstrate the importance of geographic principles and theory that underpin those tools and the interpretation of the results.

To date, more and more law enforcement agencies hire geographers and crime analysts and criminal justice programs around the country respond to this demand by offering new courses/programs in this new subfield. Conferences and workshops to exchange ideas and to further the education are being offered on a regular basis. User groups are being established and research is being promoted through new publication outlets and funding opportunities from different agencies such as the National Institute of Justice (NIJ) or the National Science Foundation (NSF).

Sessions organized at the 2010 AAG will further the exchange of ideas and will present new research, methods and applications in the modeling and mapping of crime. Appropriate topics include, but are not limited to:

Geographic Profiling  
Sex Offender Residency Restriction Laws  
Traffic Crash Analysis  
Spatial and Temporal Crime Analysis  
Micro-Spatial Crime Analysis  
Hot Spot Analysis  
Crime Forecasting  
Spatial Crime Theories  
Simulation Modeling

Relationship between Foreclosure and Crime  
Crime and Place  
Spatial Analysis of Gang Activities  
Terrorism  
3-D Crime Modeling

It is planned that authors can revise their presentations for publication in a special content issue of Cartography and Geographic Information Science (CaGIS) or an edited book.

Please e-mail the abstract and key words with your interest in participating in this special session to Michael Leitner ([mleitne@lsu.edu](mailto:mleitne@lsu.edu)) ASAP but no later than October 19th, 2009. Please make sure that your abstract conforms to the AAG guidelines as specified at the following website: <http://www.aag.org/annualmeetings/2010/papers.htm#instructions>.

**Organizer:**

Michael Leitner  
Department of Geography and Anthropology  
Louisiana State University  
Baton Rouge, LA 70803  
Tel: (225) 578-2963  
Email: [mleitne@lsu.edu](mailto:mleitne@lsu.edu)

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**Geospatial Web and related Cartographic Research**

Sponsored by the Cartography, GISS, and Cyberinfrastructure Specialty Groups.

New and emerging technologies in the realm of the Geospatial Web are altering how maps and other cartographic artifacts are designed, generated, distributed, and interacted with. Internet GIS, virtual globes, and other distributed geographic information services for the Internet and wireless networks pose new research directions and new mapping challenges for cartographers. This session will address the impact of these new applications and tools on cartographic research and the challenges involved in providing effective Internet-based map design. There is a potential to introduce novel visualization methods, develop new cartographic skills, and possibly a need for new paradigms in

dealing with such issues as abstraction and map projection. Potential topics for this session include, but are not limited to the following:

- Dynamic map representation in Web applications
- Mash-ups and map API applications
- 3D, temporal, or real-time data representation
- New methods in symbolization and generalization
- Interactive digital map documents
- Web-based collaborative mapping tools and virtual communities
- Emerging Geospatial Web formats, standards, and technologies

To present a paper in the session:

1. Register and submit your abstract online (<http://www.aag.org/annualmeetings/>).
2. Email your presenter identification number (PIN), paper title, and abstract to [michael.page@emory.edu](mailto:michael.page@emory.edu) by October 26, 2009 (two days before the AAG abstract submission deadline).

**Organizers:**

Michael Page  
Emory University Libraries/Department of Environmental Studies, Emory University  
Email: [michael.page@emory.edu](mailto:michael.page@emory.edu)

Ming-Hsiang (Ming) Tsou  
Department of Geography, San Diego State University  
Email: [mtsou@mail.sdsu.edu](mailto:mtsou@mail.sdsu.edu)

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**Geovisualization & Geovisual Analytics ,  
Cognition, Behavior, and Representation**

**Organizers:**

Sara Irina Fabrikant (University of Zurich)  
Amy Griffin (University of New South Wales-ADFA)  
Kirk Goldsberry (Michigan State University)  
Sarah Battersby (University of South Carolina)  
Jin Chen (GeoVISTA Center, Penn State University)

Specialty Group Sponsors: Cartography, GIS, and Environmental Perception and Behavior

**Content**

We invite papers on computational, statistical and cognitive aspects of geovisualization, geovisual analytics and geographic research to be included in a series of sessions at the 2010 Association of American Geographers Annual Meeting.

Specifically of interest are theoretical and empirical contributions exploring computation, geovisualization, navigation and wayfinding, cartography, education, and methods specific to cognitive research.

This includes (but is not limited to):

- Geovisualization and geovisual analytics design, implementation and use
- Application of geovisualization and geovisual analytics displays and tools to understand spatial cognition, reasoning, and inference and decision making
- Methods for and application of cognitive theories and methods to understanding issues in geographic research (including fMRI)
- Human-geovisualization interaction research
- Wayfinding and navigation
- Cognitive map design research
- 

### **Participants**

In addition to geographers, GIScientists, cartographers, and cognitive or behavioral geographers we are also looking for speakers from a broad range of disciplines, including but not limited to psychology, cognitive science, education, HCI, etc.

To be included in this session, please:

1. Register and submit your abstract online following the AAG Guidelines (<http://www.aag.org/annualmeetings/>).
  2. Email your presenter identification number (PIN), paper title, and abstract to Kirk Goldsberry ([kg@msu.edu](mailto:kg@msu.edu)) by October 21.
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## **Call for Papers: CaGIS special issue on "Mapping the Census"**



### **Cartography and Geographic Information Science Special Issue on "Mapping the Census"**

#### **Guest Editors**

Ningchuan Xiao, Department of Geography, The Ohio State University ([xiao.37@osu.edu](mailto:xiao.37@osu.edu))

Kevin Hawley, Geography Division, US Census Bureau ([kevin.j.hawley@census.gov](mailto:kevin.j.hawley@census.gov))

Census data has provided tremendous opportunities for social science, economic, business, and geographic research. However, there are fundamental challenges that cannot be overlooked, especially as we approach a new round of censuses in many countries. This special issue of Cartography and Geographic Information Science (CaGIS) on "Mapping the Census" is intended to cover topics relating to the use of census data for a wide range of readers. Here, we use the term "mapping" in a broad sense referring to various methods that can be used to analyze, understand, and visualize the spatial aspect of census data. We invite submissions that focus on census data from the perspectives such as cartography, visualization, spatial analysis and modeling, population and urban studies, geostatistics, and uncertainty. The following is a non-exclusive sample of research topics in these areas; we welcome papers that address all issues related to the spatial aspects of census data.

\* Cartography and visualization. Effective techniques for visualizing census data on maps and the Internet; the integration ("mash-up") of census data with various online mapping services such as Google Maps, MapServer, and GeoServer.

\* Computation. Novel methods that can be used to handle the massive volume of census data; spatial data mining of census data; the use of

census data in collaboration with ancillary, volunteered geographic information available on the Internet or a local geodatabase.

\* Delineation. The delineation of geographic areas using census data or other data sources; interpolation of census data across different geographical areas with different scales; the improvement of census geographies.

\* Modeling. Methods that address the Modifiable Areal Unit Problem (MAUP) caused by spatial aggregation in census data; modeling and mapping census undercount and its spatial impacts; the estimation of daytime and nighttime population or other census variables between decennial censuses; the use of census data to support quantitative or qualitative population analysis.

Full papers should be submitted in Word document to the guest editors ([xiao.37@osu.edu](mailto:xiao.37@osu.edu) and [kevin.j.hawley@census.gov](mailto:kevin.j.hawley@census.gov)) as email attachments by November 23, 2009. The special issue is planned to publish in July 2010. All submissions will be peer-reviewed using the regular CaGIS review process. For information on manuscript format and style, please see the CaGIS guidelines for authors at <http://www.cartogis.org/publications/document.2006-09-05.7116381016>. Please contact the guest editors for any questions.

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## UPCOMING CONFERENCES

### Accuracy 2010



<http://www.accuracy2010.org/>  
International Spatial Accuracy Research Association (ISARA)  
Ninth International Symposium on Spatial Accuracy Assessment in Natural Resources and

Environmental Sciences  
July 20-23, 2010  
Leicester, UK

### TOPICS:

All topics concerned with spatial accuracy and uncertainty in a natural resources and environmental sciences context are appropriate, for example:

- \* Semantic uncertainty and vagueness
- \* Modelling uncertainty using geostatistics
- \* Propagation of uncertainty in GIS
- \* Visualizing spatial uncertainty
- \* Uncertainty in Remote Sensing
- \* Spatio-temporal uncertainty
- \* Accuracy and uncertainty of DEMs
- \* Modelling scale in environmental systems
- \* Positional uncertainty

### PUBLICATION:

Symposium proceedings, an edited book planned as part of Springer's Lecture Notes in Geoinformation and Cartography series and possibly an international journal.

### MODES OF PARTICIPATION:

Oral papers and posters. Pre-conference workshop proposals also welcome.

### DEADLINES:

- \* Abstract submission: 28.09.09
- \* Abstract acceptance notification: 1.11.09
- \* Workshop proposals: 19.10.09
- \* Workshop acceptance notification: 1.11.09

Nick Tate and Pete Fisher (co-Chairs)  
Giles Foody and Pete Atkinson (Programme Committee co-Chairs)

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### GIScience 2010



<http://www.giscience2010.org>  
Sixth International Conference on Geographic

Information Science  
Zurich, Switzerland, September 14-17, 2010

## CALL FOR PAPERS

### OVERVIEW:

Zurich, Switzerland will be the host city of the sixth international GIScience conference, continuing a highly successful series of biennial conferences that commenced in 2000. GIScience 2010 aims to bring together scientists from academia, industry, and government to discuss the state-of-the-art in geographic information science, and explore emerging research directions. The conference focuses on basic research findings across all sectors of the field and has two refereed submission tracks: full papers and extended abstracts. Pre-conference workshops and tutorials (Sep. 14) and the main conference (Sep. 15-17) will take place at the University of Zurich, Irchel campus, featuring state-of-the-art conference facilities within a park-like setting. The conference site is located only 20 minutes from both downtown and Zurich Airport, and is easily accessible through public transport.

### TOPICS AND TRACKS:

Fundamental research findings and emerging topics across all sectors of geographic information science (GIScience) are welcomed. The conference attracts leading researchers from all cognate disciplines to reflect the interdisciplinary breadth of GIScience, including (but not limited to) geography, cognitive science, computer science, engineering, information science, mathematics, philosophy, psychology, social science, and (geo)statistics.

Since GIScience 2010 focuses on advances in the fundamentals of geographic information science, submission of pure application papers is discouraged. To accommodate the variety of publication cultures within an interdisciplinary research community, GIScience 2010 provides two refereed submission tracks: full papers and extended abstracts.

### **Full paper track**

Publication in Springer Lecture Notes in Computer Science (LNCS)

Full papers, consisting of maximum 14-page manuscripts, will be thoroughly reviewed by at least three members of the international program committee. High-quality submissions will be accepted for presentation at the conference and published in the Springer LNCS ([www.springeronline.com/lncs](http://www.springeronline.com/lncs)). Manuscripts must describe original work that has neither been previously published, nor is currently under review elsewhere. Papers must be written in English according to the GIScience-specific Springer LNCS formatting guidelines. For detailed guidelines, see <http://www.giscience2010.org/XXX>.

### **Extended abstracts track**

Publication in separate Conference Proceedings Volume

Extended abstracts of 1500 words, describing work in progress, will be reviewed by at least three members of the international program committee and, if accepted, selected for oral or poster presentation. Extended abstracts must be written in English according to the formatting guidelines to be published on the conference web site.

### **WORKSHOPS & TUTORIALS:**

GIScience 2010 pre-conference workshops and tutorials will be held on September 14, 2010 at the University of Zurich, Irchel campus. Workshops and tutorials provide two modes of complementary fora to the main conference. Thus, we specifically encourage tutorials introducing new ideas, and workshops based around small group discussions on emerging topics that facilitate dialogue across disciplinary boundaries. One-day mini-conferences filled only with paper presentations are discouraged.

### **IMPORTANT DATES**

|                                     |                  |
|-------------------------------------|------------------|
| Workshop and Tutorial proposals due | January 7, 2010  |
| Workshop and Tutorial notification  | January 29, 2010 |
| Full papers due                     | January 29, 2010 |
| Full paper notification             | March 15, 2010   |
| Extended abstracts due              | April 30, 2010   |
| Extended abstract notification      | June 15, 2010    |

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## International Cartographic Conference 2009

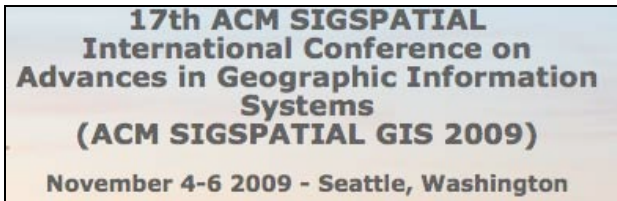


The 24<sup>th</sup> International Cartographic Conference will be held in Santiago Chile, November 15-21, 2009. The conference is being hosted for the first time in South America. ICC 2009 is being organized by

the Chilean Military Geographic Institute (IGM), through the Local Organizing Committee. For more information on this upcoming conference, see: <http://www.icc2009.cl/>. For information about the participation of the US National Committee to the ICA, please see: <http://www.cartogis.org/usnc-ica>.

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## ACM SIGSPATIAL



17th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL GIS 2009) that will be held in Seattle, WA, on November 4-6, 2009. This year's conference builds on the great success of last year's conference where almost 200 people attended, the first one under the auspices of the newly established ACM Special Interest Group on Spatial Information (ACM SIGSPATIAL <http://www.sigspatial.org/>).

The invited speakers include:

- Pat Hanrahan, Stanford University, and
- Gur Kimchi, Microsoft Virtual Earth.

This year we will also feature a Ph.D. showcase track and two demo tracks. The technical program

is included below. Complete information about the conference can be found at <http://acmgis09.cs.umn.edu/>. Note that four pre-conference workshops affiliated with the conference will take place on November 3, 2009. We hope that you will be able to attend and we look forward to your participation. (Registration site: <http://www.cse.unt.edu/~huangyan/acmgis09/>)

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17th ACM SIGSPATIAL International Conference  
on  
Advances in Geographic Information Systems  
(ACM GIS 2009)  
Call for Participation

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November 4-6, 2009  
Seattle, Washington, USA  
<http://acmgis09.cs.umn.edu>

Corporate Sponsorship by:

- Google
- Oak Ridge National Laboratory
- ESRI
- National Center for Supercomputing Applications (NCSA)
- Microsoft

The ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems 2009 (ACM SIGSPATIAL GIS 2009) is the seventeenth event of a series of symposia and workshops that began in 1993 with the aim of bringing together researchers, developers, users, and practitioners carrying out research and development in novel systems based on geospatial data and knowledge, and fostering interdisciplinary discussions and research in all aspects of geographic information systems. The conference provides a forum for original research contributions covering all conceptual, design, and

implementation aspects of GIS ranging from applications, user interface considerations, and visualization down to storage management and indexing issues. This year's conference builds on last year's conference great success and on being the premier annual conference of the newly formed ACM Special Interest Group on Spatial Information (ACM SIGSPATIAL). ACM SIGSPATIAL GIS will have two invited speakers, 38 research papers, 40 poster papers, 1 industry paper, 3 Ph.D. showcases, and 11 demos.

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### **Newsletter Contributions**

Has something important been left out? Do you have a newsworthy, interesting, or otherwise relevant item to contribute? Please email Matt Rice, Newsletter Editor, at [rice@gmu.edu](mailto:rice@gmu.edu), and he will add it to the list of items for the next newsletter.

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